

# Samuel Janring Saragi Sitio

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Sibatu-batu, Pematangsiantar, North Sumatera

Highly motivated Web Developer and 8th-semester Information Systems student (Batch 2022) at Institut Teknologi Del with strong experience in frontend and backend development as well as web application security. Proven ability to build responsive, scalable, and secure web applications using React.js, Svelte, Laravel, Golang, PHP, and JavaScript, supported by solid expertise in database design, RESTful API development, authentication, and role-based access control. Hands-on experience in machine learning application deployment (Streamlit) and cybersecurity practices, including vulnerability assessment and OWASP-based mitigation. Strong analytical thinking, problem-solving, and leadership skills, with a commitment to clean, well-documented code and continuous learning. Actively seeking opportunities to contribute impactful, secure, and high-quality digital solutions in professional environments.

## Education Level

**Del Institute of Technology** [🔗](#) - Laguboti, Sumatera Utara  
*Undergraduate in Information System, 3.31/4.00*

Aug 2022 - Oct 2026 (Expected)

## INTERNSHIP & MBKM EXPERIENCE

**Web / IT Internship** - Bogor, West Java

PT. ELTAMA PRIMA INDO

Jul 2025 - Aug 2025

- Developed and maintained web applications using Svelte for the frontend and Directus as a headless CMS and backend service, including API integration.
- Designed and managed database structures in Directus, implemented authentication and role-based access control, and collaborated with the team using Git for version control.

**Junior Cyber Security – Independent Study (MBKM)**

Vinix Seven Aurum

Feb 2022 - Oct 2026

- Completed an intensive cybersecurity program covering penetration testing, network security, cloud security, and digital forensics, using tools such as Nessus, OpenVAS, Wireshark, Wazuh, and Kali Linux.
- Performed hands-on activities including vulnerability assessment, system hardening, SIEM monitoring, incident analysis, and ISO/IEC 27001-based security policy evaluation.

## Project Experience

**Del Institute Of Technology**

### Human-Computer Interaction Projects

Dec 2023 - Dec 2023

- Website Evaluation and Prototyping for IT Del Library**  
Evaluated usability and designed prototypes to enhance user experience.
- Website Design for Institut Teknologi Del**  
Developed a comprehensive redesign with improved functionality and aesthetics.

### RecipeRipple Website Development

Aug 2024 - Dec 2024

- Designed database structures, including ERD, SQL, API, scripts, and normalization procedures.
- Focused on creating user-friendly interfaces and implementing secure web functionalities.

### System Security Final Project

Sep 2024 - Dec 2024

- Conducted an analysis of XML External Entity vulnerabilities and proposed mitigation strategies.user verification, inventory and product

### Location-based Species Presence Prediction using Random Forest

Mei 2025 - Jun 2025

- Conducted an analysis of XML External Entity vulnerabilities and proposed mitigation strategies.user verification, inventory and product
- Developed and deployed an interactive Streamlit web application to visualize predictions and support model exploration.

### BEM Website Development

Sep 2025 - Dec 2025

- Developed a student organization (BEM) website using React.js for the frontend and Golang for the backend.
- Implemented RESTful APIs, authentication, and role-based access control.
- Collaborated in a team environment using Git for version control and followed modular, maintainable code practices.

## Organisational Experience

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### President of the Student Executive Board (BEM) Institut Teknologi Del

Sep 2024 - Jan 2026

- Lead and oversee all BEM activities and initiatives.
- Coordinate with various student organizations and university departments to implement student programs.
- Represent student interests in university meetings and discussions.

### Information Systems Student Association (HIMSI)

Oct 2023 - Feb 2024

*Member of the Arts Division*

- Contributed to the planning and execution of artistic events and activities for HIMSI.
- Collaborated with other divisions in organizing and promoting student events.

## Skills

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- **Hard Skills** : SQL, PHP, Python, Java, Javascript, Laravel Framework, HTML and CSS, React.js, Design, Figma, Svelte Framework, Directus, Cryptography, OWASP
- **Soft Skills** : Critical Thinking, Analytical Thinking, Problem Solving, Communication Skills, Attention to Detail, Time Management, Adaptability, Collaboration, Documentation Skills
- **Languages** : Fluent in Indonesian ; Intermediate in English.